

#3

Docket No. 22-0149

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DECISION DIRECTED PHASE LOCKED LOOPS (DD-PLL) WITH EXCESS PROCESSING POWER IN DIGITAL COMMUNICATION SYSTEMS the specification of which

\_\_\_\_\_ is attached hereto  
X was filed on 12/4/01 as Application  
Serial No. 10/005,049 and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

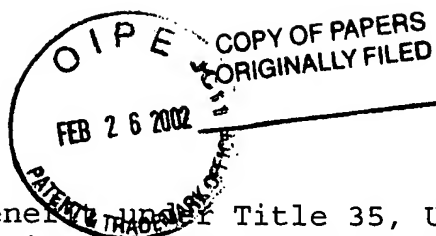
I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

|             |           |                     |       |       |
|-------------|-----------|---------------------|-------|-------|
| <u>NONE</u> | _____     | _____               | _____ | _____ |
| (Number)    | (Country) | (Day/Mo./Yr. Filed) | Yes   | No    |

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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| <u>NONE</u> |           |                     |          |
|-------------|-----------|---------------------|----------|
| (Number)    | (Country) | (Day/Mo./Yr. Filed) | (Status) |

I hereby appoint as principal attorneys:

Robert W. Keller, Reg. No. 25,347  
Noel F. Heal, Reg. No. 26,074  
Connie M. Thousand, Reg. No. 43,191  
Donald E. Stout, Reg. No. 26,422

each with full power to prosecute this application, to transact all business in the United States Patent and Trademark Office connected therewith, and to appoint and revoke associate and substitute associate attorneys.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Address all telephone calls to: (310) 812-4910

Address all correspondence to: PATENT COUNSEL  
TRW Inc.  
Space & Electronics  
One Space Park, E2/6051  
Redondo Beach, California 90278

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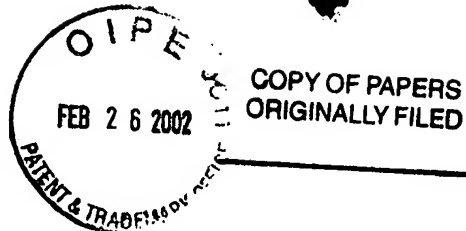
Full name of sole or first inventor Stuart T. Linsky  
Inventor's signature *Stuart T. Linsky* Date: 12/11/01  
Residence Rancho Palos Verdes, California  
Citizenship United States  
Post Office Address 21 Golden Spur Lane, Rancho Palos Verdes, California  
90275

Full name of second inventor Scott A. Cooper  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence Seattle, Washington  
Citizenship United States  
Post Office Address 7315 Earl Avenue NW, Seattle, Washington 9817

Full name of third inventor Christopher W. Walker  
Inventor's signature *Christopher W. Walker* Date: 12/10/2001  
Residence Stevens Ranch, California  
Citizenship United States Stevenson  
Post Office Address 26215 West Shakespeare Lane, Stevens Ranch, California  
91381

Full name of fourth inventor Ali R. Golshan  
Inventor's signature *Ali R. Golshan* Date: 12/4/2001  
Residence Hawthorne, California  
Citizenship United States  
Post Office Address 5252 W. 137<sup>th</sup> Place, Hawthorne, California 90250

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Full name of sole or first inventor Stuart T. Linsky  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence Rancho Palos Verdes, California  
Citizenship United States  
Post Office Address 21 Golden Spur Lane, Rancho Palos Verdes, California  
90275

Full name of second inventor Scott A. Cooper  
Inventor's signature Scott A. Cooper Date: January 12, 2002  
Residence Seattle, Washington  
Citizenship United States  
Post Office Address 7315 Earl Avenue NW, Seattle, Washington 9817

Full name of third inventor Christopher W. Walker  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence Stevens Ranch, California  
Citizenship United States  
Post Office Address 26215 West Shakespeare Lane, Stevens Ranch, California  
91381

Full name of fourth inventor Ali R. Golshan  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence Hawthorne, California  
Citizenship United States  
Post Office Address 5252 W. 137<sup>th</sup> Place, Hawthorne, California 90250



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Practitioner's Document No. 22-0449

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Linsky, Stuart T.

Application No.: 10/005,049

Group No.: 2631

Filed: December 4, 2001

Examiner: Not Assigned

For: DECISION DIRECTED PHASE  
LOCKED LOOPS (DD-PLL) WITH  
EXCESS PROCESSING POWER IN  
DIGITAL COMMUNICATION SYSTEMS

Box Missing Part  
Assistant Commissioner for Patents  
Washington, D.C. 20231

COMPLETION OF FILING REQUIREMENTS  
-- NONPROVISIONAL APPLICATION

I. This replies to the Notice to File Missing Parts of Application (PTO-1533) mailed January 24, 2002.

A copy of the Notice to File Missing Parts of Application--Filing Date Granted (Form PTO-1533) is enclosed.

DECLARATION OR OATH

II. The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. SECTION 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

[X] deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

FACSIMILE

[ ] transmitted by facsimile to the Patent and Trademark Office at (703) \_\_\_\_ - \_\_\_\_.

  
Signature

Date: February 5, 2002

Marilyn L. Beaumont  
(type or print name of person certifying)

### COMPLETION FEES

#### III. Surcharge Fees

Late payment of filing fee and/or late filing of original declaration or oath (37 C.F.R. Section 1.16(e)) - \$130.00

Total Completion Fees      \$130.00

### EXTENSION OF TIME

IV. The proceedings herein are for a patent application, and the provisions of 37 C.F.R. Section 1.136(a) apply.

Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

### TOTAL FEE DUE

V. The total fee due is:

|                        |          |
|------------------------|----------|
| Completion fees        | \$130.00 |
| Extension fee (if any) | \$0.00   |
| Total Fee Due          | \$130.00 |

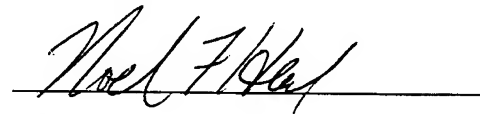
### PAYMENT OF FEES

VI. Charge Account No. 20-1515 in the amount of 130.00.

A duplicate of this request is attached.

Please charge Account No. 20-1515 for any fees that may be due by this paper.

Date: February 5, 2002



Noel F. Heal  
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